

Figure 1

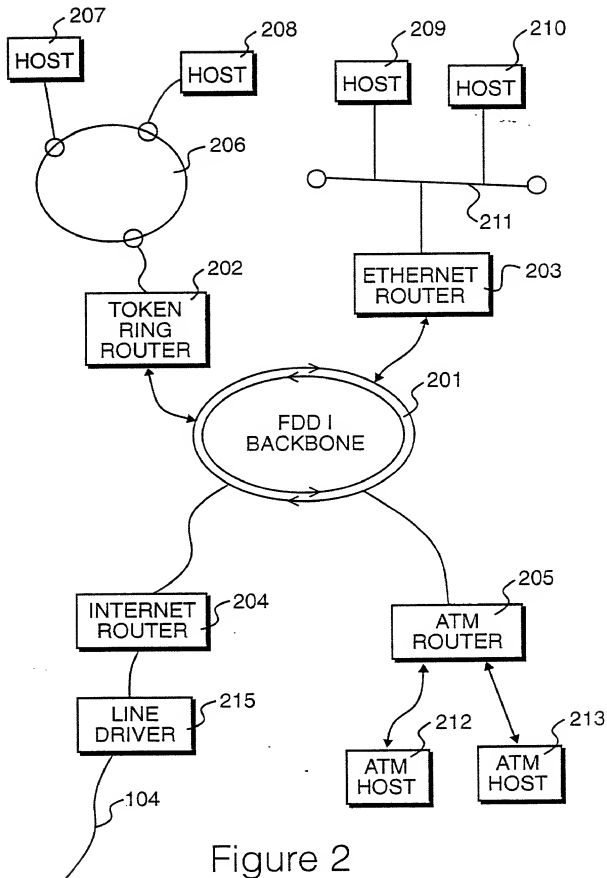


Figure 2

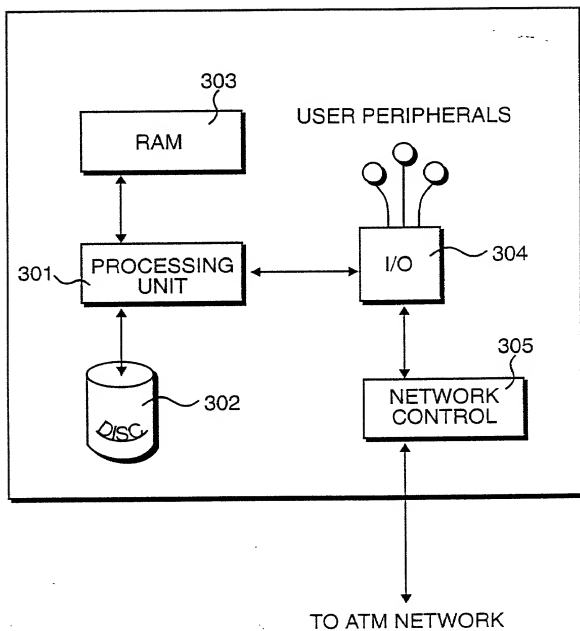


Figure 3

The diagram shows a central oval labeled "PROCESSING ENVIRONMENT" with reference numeral 402. It is connected to several other components:

- An oval labeled "HTTP DAEMON" with reference numeral 401, connected by a curved arrow pointing towards the processing environment.
- An oval labeled "ON-LINE PROCESSING" with reference numeral 405, connected by a curved arrow pointing towards the processing environment.
- An oval labeled "DATABASE" with reference numeral 406, connected by a curved arrow pointing towards the processing environment.
- An oval labeled "FILE STRUCTURE SOURCE" with reference numeral 407, connected by a curved arrow pointing towards the processing environment.
- An oval labeled "EXECUTABLE CGI-BIN PROGRAMS" with reference numeral 404, connected by a curved arrow pointing towards the processing environment.
- An oval labeled "PRE-DEFINED HTML FILES" with reference numeral 403, connected by a curved arrow pointing towards the processing environment.
- A rectangular box labeled "I/O" with reference numeral 304, connected to the processing environment by a double-headed horizontal arrow.

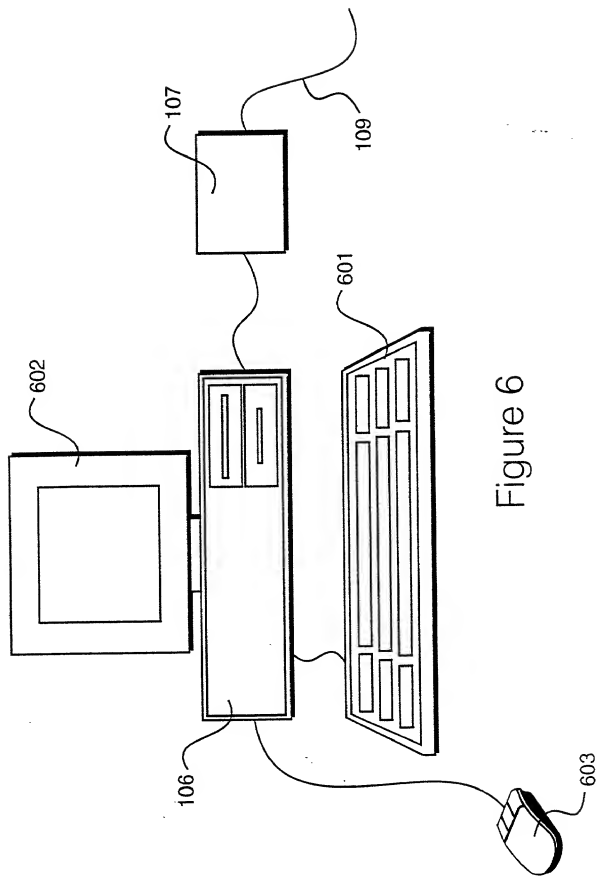
Figure 4

```

graph TD
    501[INITIALIZE SYSTEM] --> 502[WAIT]
    502 --> 503[INTERROGATE PORT]
    503 --> 504{URL WAITING ?}
    504 -- NO --> 502
    504 -- YES --> 505[PROCESS URL]
    505 --> 506[VALIDATE DECODED URL]
    506 --> 507{PREDEFINED FILE ?}
    507 -- NO --> 504
    507 -- YES --> 508[SUPPLY FILE]
    508 --> 509{ON-LINE PROCESSING ?}
    509 -- NO --> 504
    509 -- YES --> 510[PREPARE FILE ON-LINE]
    510 --> 511{CGI.BIN TO EXECUTE ?}
    511 -- NO --> 504
    511 -- YES --> 512[EXECUTE CGI.BIN]
    512 --> 514[RETURN ERROR MESSAGE]
    514 --> 502

```

Figure 5



ASCII transmission to a browser

```

1 <HEAD><TITLE>Home Shopper</TITLE></HEAD>
2 <BODY>
3 <hr size=1>
4 <H1>Contents Page</H1>
5 <A HREF="http://localhost:8081/vdl/123456/1000/123/999">
6 Sports</A>
7 <A HREF="http://localhost:8081/vdl/123456/1001/123/999">
8 Electrical</A>
9 <p>
10 <A HREF="http://localhost:8081/vdl/123456/1002/123/999">
11 Computers</A>
12 <A HREF="http://localhost:8081/vdl/123456/1003/123/999">
13 Childrens</A>
14 <p>
15 <A HREF="http://localhost:8081/vdl/123456/1004/123/999">
16 Gardening</A>
17 <A HREF="http://localhost:8081/vdl/123456/1005/123/999">
18 Clothing</A>
19 <hr size=1>
20 <p>
21 </BODY>

```

Figure 8

502

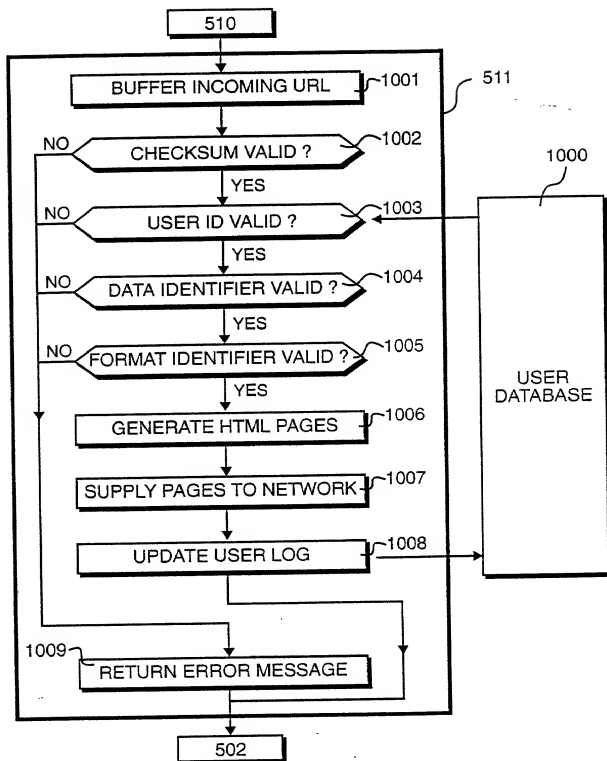


Figure 10

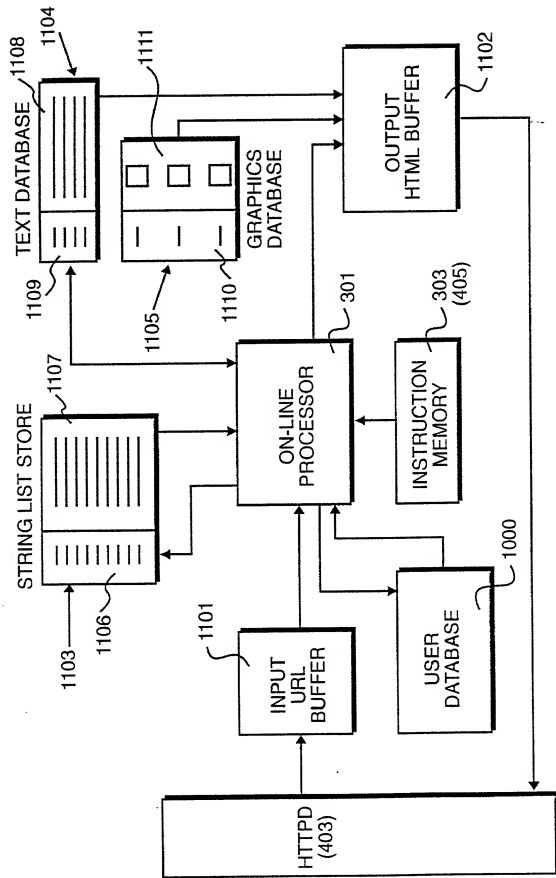


Figure 11

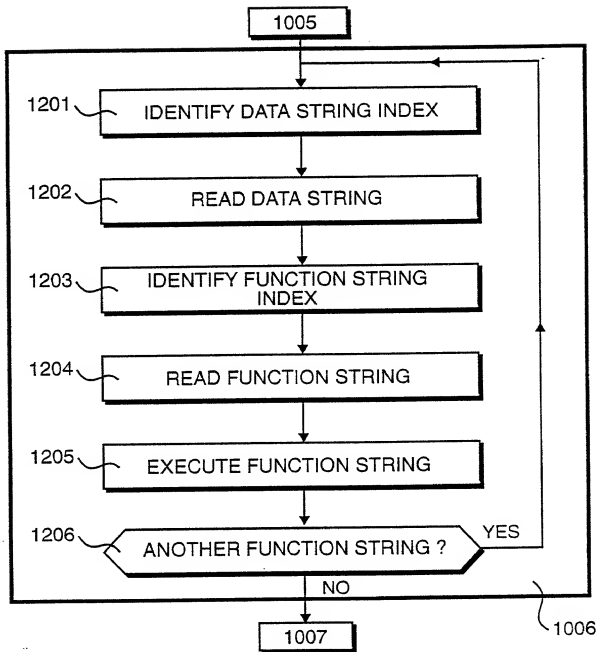


Figure 12

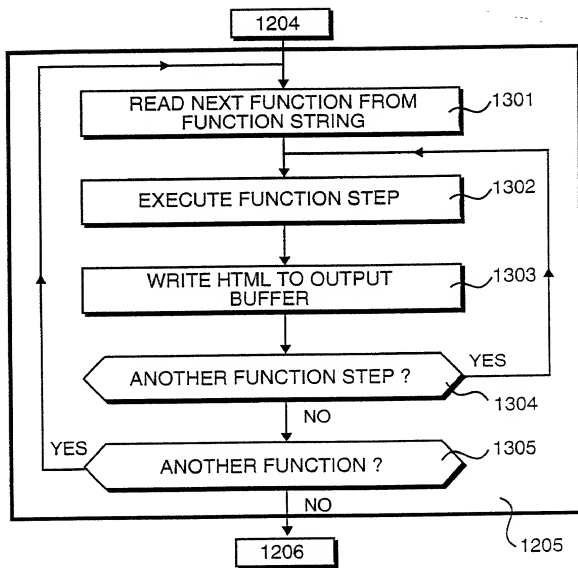


Figure 13

